

AMENDMENT TO THE CLAIMS:

1. **(Currently amended)** A coded signal reproduction apparatus comprising:

a matching status information ~~output means for detecting~~ outputter operable to detect the matching status of a code which is input for every predetermined bit with a prefix code of a packet start code, and ~~outputting to output~~ matching status information of a head part of the packet start code; and

a data ~~format means for outputting~~ formatter operable to output predetermined data in accordance with the matching status information when the code is judged not to be a part of the packet start code.

2. **(Currently amended)** A coded signal reproduction apparatus as described in Claim 1, wherein said matching status information ~~output means~~ outputter includes:

a head code detection unit ~~for detecting~~ operable to detect the matching status of the head part of the packet start code at every predetermined bit from the input code sequence, and ~~outputting to output~~ matching information at the present point of time; and

a matching status historical information hold unit ~~for receiving~~ operable to receive the matching information at the present point of time, and ~~holding to hold~~ historical information of the matching status of the head code.

3. **(Currently amended)** A coded signal reproduction apparatus as described in Claim 1, wherein said matching status information ~~output means~~ outputter includes:

a head code detection unit ~~for detecting~~ operable to detect the matching status of the head part of the packet start code at every predetermined bit from the input code sequence, and ~~outputting to output~~ matching information at the present point of time; and

a matching status historical information hold unit ~~for receiving~~ operable to receive the matching information at the present point of time, and ~~holding to hold~~ historical information of the matching status of the head code; and

~~a start code discrimination means for discriminating~~ discriminator operable to discriminate the packet start code by using the historical information and a packet start code identifier existing in the latter half part of the packet start code.

4. **(Currently amended)** A coded signal reproduction apparatus as described in Claim 1, wherein said matching status information ~~output means~~ outputter includes:

a head code detection unit ~~for detecting~~ operable to detect the matching status of the head part of the packet start code at every predetermined bit from the input code sequence, and ~~outputting to output~~ matching information at the present point of time; and

a matching status historical information hold unit ~~for receiving~~ operable to receive the matching information at the present point of time, and ~~holding to hold~~ historical information of the matching status of the head code; and

a start code discrimination unit ~~for discriminating~~ operable to discriminate a hierarchy start code of video data in accordance with the historical information and a video hierarchy identifier of coded video data which exists in a position corresponding to the latter half part of the packet start code.

5. **(Currently amended)** A coded signal reproduction apparatus as described in Claim 1, further comprising:

header ~~analysis means for analyzing~~ analyzer operable to analyze the header of the packet to output reproduction information when the code which is input is coded video data;

wherein said data ~~format means inserts~~ formatter is operable to insert the reproduction information together with information indicating effectiveness of the reproduction information, in a predetermined position in the coded video data.

6. **(Currently amended)** A coded signal reproduction apparatus as described in Claim 4, wherein said header ~~analysis means~~ analyzer includes a header analysis unit ~~for analyzing~~ operable to analyze the header of the packet and ~~outputting to output~~ the reproduction information, and a

reproduction information hold unit ~~for holding~~ operable to hold the reproduction information.

7. **(Currently amended)** A coded signal reproduction apparatus as described in ~~Claim 6~~ Claim 6, wherein said header ~~analysis means is~~ analyzer is operable to activated when the start code is identified.

8. **(Currently amended)** A coded signal reproduction apparatus comprising:
an end code sequence ~~detection means for detecting~~ detector operable to detect, from code sequences of coded data, a code sequence indicating the end of the coded data; and
a formatter ~~means for adding~~ operable to add a predetermined number of pseudo data to the rear of the code sequence indicating the end of the coded data so that the data bus width of pipeline transfer including the end of the coded data becomes equal to the bus width of pipeline transfer including other data, when a code sequence indicating the end of the code data is detected by ~~the~~ said end code sequence ~~detection means~~ detector.

9. **(Currently amended)** A coded signal reproduction apparatus as described in Claim 8, further comprising:

a specific code sequence ~~insertion means for inserting~~ inserter operable to insert a specific code sequence in the last packet in a packet sequence before decoding;

wherein said formatter ~~means adds~~ is operable to add a predetermined number of pseudo data to the rear of the specific code sequence.

10. **(Previously presented)** A coded signal reproduction apparatus as described in Claim 1, wherein the input code sequence is a coded and multiplexed signal in which audio, video, and reproduction information annexed thereto are multiplexed.

11. **(Cancelled)**

12. **(Currently amended)** A coded signal reproduction apparatus as described in ~~Claim~~ 2 Claim 2, wherein the input code sequence is a coded and multiplexed signal in which audio, video, and reproduction information annexed thereto are multiplexed.

13. **(Currently amended)** A coded signal reproduction apparatus as described in ~~Claim~~ 3 Claim 3, wherein the input code sequence is a coded and multiplexed signal in which audio, video, and reproduction information annexed thereto are multiplexed.

14. **(Currently amended)** A coded signal reproduction apparatus as described in ~~Claim~~ 4 Claim 4, wherein the input code sequence is a coded and multiplexed signal in which audio, video, and reproduction information annexed thereto are multiplexed.

15. **(Currently amended)** A coded signal reproduction apparatus as described in ~~Claim~~ 5 Claim 5, wherein the input code sequence is a coded and multiplexed signal in which audio, video, and reproduction information annexed thereto are multiplexed.

16. **(Currently amended)** A coded signal reproduction apparatus as described in ~~Claim~~ 6 Claim 6, wherein the input code sequence is a coded and multiplexed signal in which audio, video, and reproduction information annexed thereto are multiplexed.

17. **(Currently amended)** A coded signal reproduction apparatus as described in ~~Claim~~ 7 Claim 7, wherein the input code sequence is a coded and multiplexed signal in which audio, video, and reproduction information annexed thereto are multiplexed.

18. **(Currently amended)** A coded signal reproduction apparatus as described in ~~Claim~~ 8 Claim 8, wherein the input code sequence is a coded and multiplexed signal in which audio, video, and reproduction information annexed thereto are multiplexed.